



Pennsylvania Department of Environmental Protection

230 Chestnut Street
Meadville, PA 16335

May 22, 1996

Northwest Regional Office

(814) 332-6648

Fax (814) 332-6121

Mr. Frank Vavra
Remedial Project Manager (3HW22)
U.S. Environmental Protection Agency
841 Chestnut Building
Philadelphia, PA 19107

RE: Risk Assessment
Operable Unit 2
Osborne Landfill Site
Pine Township, Mercer County

Dear Mr. Vavra:

Staff from the Pennsylvania Department of Environmental Protection Hazardous Sites Cleanup Program ("Department") have reviewed the Operable Unit 2 Risk Assessment dated April 25, 1996 for the Osborne Landfill Site. The Department has the following comments:

Section 3.2; Identification of Exposure Pathways:

The second paragraph identifies the current and future residential exposure scenarios considered for evaluation in this report. Although the consultant does a good a job assessing the duration and magnitude of each exposure scenario identified, the consultant did not evaluate the effects of VOC inhalation for children bathing. Since this exposure scenario has been identified as an exposure pathway for adults showering, then it should also be evaluated for children bathing. Please add this scenario to the assessment narrative and include inhalation intake calculations.

Appendix D; Intake Calculations:

Eickmann Well, Future Adult Resident, Risks By Chemical:

The Vinyl Chloride Cancer Risk and Total Cancer Risk calculation should be $3.8 \text{ E-}4$, not $3.7 \text{ E-}4$. Please correct.

Eickmann Well, Future Child Resident, Risks By Chemical:

The Vinyl Chloride Cancer Risk and Total Cancer Risk calculation should be $3.4 \text{ E-}4$, not $1.7 \text{ E-}4$. Please correct.

B.C. & H Aquifers Future Adult Resident, Risks By Chemical:

The 2-Butanone Hazard Index and Total Hazard Index calculation should be $3.3 \text{ E-}4$, not $3.4 \text{ E-}4$. Please correct.

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